

IN THE CLAIMS:

1. (previously presented) In a network including a scanning device, a scan description language (SDL) method for managing a scan job, the method comprising:

scanning a document at the scanning device;
selecting segmentation options chosen from a group including optical character recognition (OCR), font replacement, language translation, filtering, and vector/bitmap enhancements;
constructing a first scan job using SDL commands;
submitting the first scan job at the initiation of the job;
partially performing the first scan job at the scanning device in response to the SDL commands;
partially performing the first scan job at a node connected to the scanning device in response to the SDL commands; and,
wherein constructing the first scan job using SDL commands includes forming SDL commands to perform the selected segmentation options.

2. (previously presented) The method of claim 1 wherein constructing the first scan job using SDL commands includes constructing the scan job at the node selected from a group consisting of a scanning device front panel, a connected web page, and a client connected to the scanning device.

3. (previously presented) The method of claim 2 wherein submitting the first scan job at the initiation of the job includes initiating the first scan job from the node selected from a group consisting

of a front panel of the scanning device, a connected client, and a connected web page.

4. (previously presented) The method of claim 1 wherein partially performing the first scan job at the node connected to the scanning device includes partially performing the scan job at the node selected from a group consisting of a locally connected client, a network-connected client, a network-connected server, a locally connected server, another scanning device, and a telephone network-connected client.

5. (previously presented) The method of claim 1 further comprising:

selecting scan options chosen from a group consisting of resolution (dpi), cropping, output format, destination, compression method, encryption method, access control, and job scheduling; and,

wherein constructing the first scan job using SDL commands includes forming SDL commands to perform the selected scan options.

6. (previously presented) The method of claim 1 further comprising:

selecting image manipulation options chosen from a group consisting of rotation, negative image, mirror image, zoom, fit-to-size, watermark, caption, metadata inclusion, and color adjustment; and,

wherein constructing the first scan job using SDL commands includes forming SDL commands to perform the selected image manipulation options.

7. canceled

8. (previously presented) The method of claim 1 wherein partially performing the first scan job at the scanning device includes initially performing a first part of the scan job task at the scanning device; and,

wherein partially performing the first scan job at the node connected to the scanning device includes subsequently performing a second part of the scan job task at the node scan subsystem.

9. (currently amended) The method of claim 1 wherein partially performing the first scan job at the node connected to the scanning device includes initially performing a first part of the scan job task at ~~the node~~ a scan subsystem of the node prior to despooling the scan job; and,

wherein partially performing the first scan job at the scanning device includes subsequently performing a second part of the scan job task at the scanning device.

10. (previously presented) The method of claim 9 wherein partially performing the first scan job at the node connected to the scanning device includes finishing the scan job task at the node scan subsystem, subsequent to performing the second part of the scan job at the scanning device.

11. (previously presented) The method of claim 1 further comprising:

deleting SDL commands from the first scan job associated with a particular task, after the task is performed.

12. (currently amended) The method of claim 11 wherein constructing the first scan job using SDL commands includes constructing ~~[[a]]~~ the first scan job including SDL commands and scanned document data; and,

the method further comprising:

substituting scanned document data in the first scan job, following the completion of a scan job SDL command.

13. (currently amended) The method of claim 11 further comprising:

inserting new SDL commands into the first scan job, following the completion of the ~~scan job~~ SDL commands.

14. canceled

15. (currently amended) In a network including a scanning device, a scan description language (SDL) system for managing scan jobs, the system comprising:

the scanning device including a first scan subsystem having an interface to accept a first scan job constructed using a scan description language (SDL) commands, to accept a scanned document, and to supply at least a partially processed first scan job in response to the SDL commands;

a first node connected to the scanning device including a second scan subsystem having an interface for accepting the SDL constructed first scan job and an interface to supply ~~at least a partially processed~~ the first scan job further processed in response to the SDL commands; and,

wherein the first node is a device selected from a group consisting of a locally connected client, a network-connected client, a network-connected server, a locally connected server, another scanning device, and a telephone network-connected client.

16. (previously presented) The system of claim 15 further comprising:

a second node including a language assembler having an interface for supplying the scan job SDL commands; and,

wherein the second node is a device selected from a group consisting of a front panel of the scanning device, a connected web page, and a client connected to the scanning device.

17. (previously presented) The system of claim 15 further comprising:

a third node having an interface for initiating the first scan job processing; and,

wherein the third node is a device selected from a group consisting of a front panel of the scanning device, a connected client, and a connected web page.

18. canceled

19. (previously presented) The system of claim 15 further comprising:

a fourth node having a scan unit with an interface to receive a document and an interface to supply the scanned document; and,

wherein the fourth node is a device selected from a group consisting of the scanning device, another scanning device connected to the scanning device, and a fax machine.

20. (previously presented) The system of claim 16 wherein the second node language assembler has a user interface (UI) for selecting scan options chosen from a group consisting of resolution (dpi), cropping, output format, destination, compression method, encryption method, access control, and job scheduling, the second node supplying scan job SDL commands to perform the selected scan options.

21. (previously presented) The system of claim 16 wherein the second node language assembler has a UI for selecting image manipulation options chosen from a group consisting of rotation, negative image, mirror image, zoom, fit-to-size, watermark, caption, metadata inclusion, and color adjustment, the second node supplying scan job SDL commands to perform the selected image manipulation options.

22. (previously presented) The system of claim 16 wherein the second node language assembler has a UI for selecting segmentation options chosen from a group consisting of optical character recognition (OCR), font replacement, language translation, filtering, and

vector/bitmap enhancements, the second node supplying scan job SDL commands to perform the selected segmentation options.

23. (previously presented) The system of claim 15 wherein the scanning device first scan subsystem initially performs a first part of the first scan job task; and,

wherein the first node second scan subsystem subsequently performs a second part of the first scan job task.

24. (previously presented) The system of claim 15 wherein the first node second scan subsystem initially performs a first part of the first scan job task, prior to despooling the scan job; and,

wherein the scanning device first scan subsystem subsequently performs a second part of the first scan job task.

25. (previously presented) The system of claim 24 wherein the first node second scan subsystem finishes the second part of the first scan job tasks, subsequent to the partially performing of the first part of the first scan job tasks at the scanning device first scan subsystem.

26. (previously presented) The system of claim 15 wherein the scan subsystems delete SDL commands from the first scan job associated with a particular task, after the task is performed.

27. (currently amended) The system of claim 26 wherein the scan subsystems accept the first scan job with scanned

document data and substitute scanned document data in the first scan job, following the completion of [[a]] the SDL command.

28. (previously presented) The system of claim 26 wherein the scan subsystems insert new SDL commands in the first scan job, following the completion of the scan job SDL command.

29. (previously presented) The system of claim 26 wherein the second node language assembler constructs the first scan job and submits the first scan job at the initiation of the scan job-

30. (previously presented) In a network including a scanning device, a method for using a scan description language (SDL) to manage the processing of a scan job, the method comprising:

scanning a document at a scanning device;
constructing a first scan job using SDL commands;
partially performing the first scan job at the scanning device in response to the SDL commands; and,

partially performing the first scan job at a node connected to the scanning device in response to the SDL commands, where the node is selected from a group consisting of a locally connected client, a network-connected client, a network-connected server, a locally connected server, another scanning device, and a telephone network-connected client.

31. (currently amended) In a network including a scanning device, a scanning device system for using a scan description language (SDL) system to manage scan jobs, the system comprising:

[[a]] the scanning device including a first scan subsystem having an interface to accept a first scan job constructed using a scan description language (SDL) commands, to accept a scanned document, and to supply at least a partially processed first scan job in response to the SDL commands;

a first node connected to the scanning device including a second scan subsystem having an interface for accepting the SDL constructed first scan job and an interface to supply at least a partially processed first scan job in response to the SDL commands; and,

wherein the scan subsystems delete SDL commands from the first scan job associated with a particular task, after the task is performed.